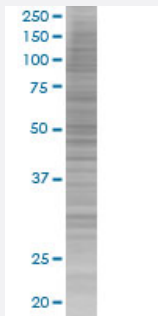


PHGDH 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00026227-T01

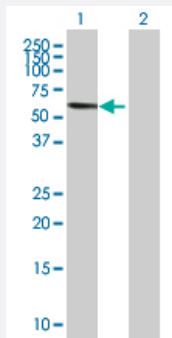
Size 100 uL

Applications



SDS-PAGE Gel

PHGDH transfected lysate.



Western Blot

Lane 1: PHGDH transfected lysate (56.7 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-PHGDH full-length
Host	Human
Theoretical MW (kDa)	56.7
Interspecies Antigen Sequence	Mouse (94); Rat (94)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-PHGDH antibody ([H00026227-B01](#)) by Western Blots.
 SDS-PAGE Gel
 PHGDH transfected lysate.
 Western Blot
 Lane 1: PHGDH transfected lysate (56.7 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — PHGDH

Entrez GeneID

[26227](#)

GeneBank Accession#

[NM_006623.2](#)

Protein Accession#

-

Gene Name

PHGDH

Gene Alias

3-PGDH, 3PGDH, MGC3017, PDG, PGAD, PGD, PGDH, SERA

Gene Description

phosphoglycerate dehydrogenase

Omim ID

[601815 606879](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

3-Phosphoglycerate dehydrogenase (PHGDH; EC 1.1.1.95) catalyzes the transition of 3-phosphoglycerate into 3-phosphohydroxypyruvate, which is the first and rate-limiting step in the phosphorylated pathway of serine biosynthesis, using NAD⁺/NADH as a cofactor.[supplied by OMIM]

Other Designations

3-phosphoglycerate dehydrogenase|OTTHUMP00000013926

Pathway

- [Glycine](#)

- [Metabolic pathways](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Schizophrenia](#)